

AMENDMENTS TO THE SPECIFICATION WITH MARKINGS TO SHOW CHANGES MADE

Before paragraph [0001], add the heading --BACKGROUND OF THE INVENTION--.

Before paragraph [0005], add the heading --SUMMARY OF THE INVENTION--.

Amend the following paragraph:

[0006] -- This object is solved by a rigid birth simulator having an interactive optical display ~~according to claim 1~~, wherein the birth simulator comprises the following features: a womb torso, which is joined to a base, and a child model, which is placed inside the womb torso, wherein preferably, natural proportions, i.e. human shapes and sizes are complied with and haptics is realized. The child model is connected to the base in a fixed manner via a force/moment sensor arrangement. The force/moment sensor arrangement is configured so that forces and moments, which an examining individual exerts onto the child model by the hands or by using medical instruments, are detected and provided as measurement signals. Forces and moments can be exerted onto the child model directly or through the flexible abdominal wall of the womb torso indirectly. Furthermore, a screen (optical display) and a programmable evaluation device, which has a computer and is connected to the force/moment sensor arrangement and to the display as well via a signal path, are provided. A simulation program with force and movement feedback included is implemented inside the computer, i.e. stored in it. This simulation program is configured so that the measurement signals are transformed into image signals of the type that depict, in real time, the natural movement behavior of a child in the womb as adequate reaction movements of the action of the forces and moments exerted. Thus, images are displayed on the screen, which show, how a natural child would behave in its mother's womb, if the forces and moments exerted onto mother and child were the same as those exerted onto the birth simulator

according to the invention, i.e. by pressing the womb torso or by seizing the head of the child model by delivery forceps and pulling it.--.

[0009] -- According to ~~claim-2~~ another feature of the present invention, the child model is detachably connected to the force/moment sensor arrangement, and the womb torso comprises a flap. Thus, it is possible to use different child models and to exchange them easily.--.

[0010] --According to ~~claim-3~~ another feature of the present invention, the child model can be connected to the force/moment sensor arrangement in different presentations. This enables special presentations of a child to be simulated.--.

[0011] -- According to ~~claim-4~~ another feature of the present invention, one sound generator at least is connected to the evaluation device via a signal path so that typical sounds, which are uttered by mother or child or caused by medical instruments during a real examination or a natural birth, can be replayed. The sounds can be generated synthetically or can be of natural origin; i.e. sounds recorded onto a tape during an adequate natural birth. By this measure, an almost real impression is given to all of the individuals to be trained, when roans, for example, which are uttered by the pregnant woman because of vehement labor pains during birth, are replayed, at the same time.--.

[0012] -- According to ~~claim-5~~ another feature of the present invention, the sound generator is arranged inside the womb torso and/or the child model so that sounds occurring inside the womb torso can be heard almost truly. Especially, sounds given by the child can be simulated very really.--.

[0013] -- According to ~~claim-6~~ another feature of the present invention, a signal and reference program is implemented in the computer, which causes

operation instructions, simulated physiological values, device outputs and alarms, e.g. dangerous situations, time behaviors of the physiological sizes of mother and child calculated or also operation instructions to be shown on the display. An expert in this field certainly knows in which way this program and the simulation program can work together.--.

[0014] -- According to ~~claim 7~~ another aspect of the present invention, a child model used for the birth simulator ~~according to claims 1 to 6 is claimed as an independent invention~~ includes force and/or pressure sensors arranged in the neck or skullcap area of the child model, which is made of formable segments, and connected to the evaluation device via a signal path.--.

Before paragraph **[0019]**, add the heading --BRIEF DESCRIPTION OF THE DRAWING--.

Before paragraph **[0024]**, add the heading --DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS--.

Page 12, after the heading "CLAIMS" and before the first claim add --What is claimed is:--.